

Substitute for form 1449/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Sheet	1	of	3
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Complete if Known

Application Number	10/647,677
Filing Date	Aug. 25, 2003
First Named Inventor	Rawnick
Art Unit	2821
Examiner Name	CAO, Heudung X.
Attorney Docket Number	7162-0082

U. S. PATENT DOCUMENTS

[illegible]

FOREIGN PATENT DOCUMENTS

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Examiner Initials*	Cite No.	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear
		Country Code ³ Number ⁴ Kind Code ⁵ (if known)			
HC		JP 2000307362	11/02/2000	MITSUBISHI ELEC	
		JP 10/190321	07/21/1998	NEC CORP	
		JP 56-123102	09/28/1981	MITSUBISHI ELEC	
		JP 05-211402	08/20/1983	FURUKAWA ELEC	
		JP 07-015218	01/17/1995	FUJI ELEC	
HC		JP 08-154006	06/11/1996	MURATA MFG	

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6/7/05

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		Country Code ² Number ⁴ Kind Code ³ (if known)				
HC		WO 01-01453 A2	01/04/2001	SUN MICROSYS		
I		EP 1 108 533	06/20/2001	KONICA CORP		
I		EP 0 754 660 A1	01/22/1997	TDK CORP		
I		EP 1 089 374 A2	04/04/2001	KABUSHIKI KAISH		
HL		JP 08 307117	11/22/1996	TASIE		

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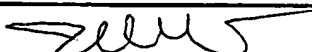
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		Art Unit	2821
		Examiner Name	CAO, Heudung X.
Sheet 3	of 3	Attorney Docket Number	7162-0082

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
HC		ITOH, T.; et al: "Metamaterials Structures, Phenomena and Applications" IEEE Transactions on Microwave Theory and Techniques; April, 2005; [Online] Retrieved from the Internet: URL:www.mtt.org/publications/ Transactions/CFP_Metamaterials.pdf>	
HC		KIZILTAS, G.; et al: "Metamaterial design via the density method" IEEE Antennas and Propagation Society Int'l Symposium 2002, vol. 1, 16 June 2002 pp 748-751, Piscataway	
HC		SALAHUN, E.; et al: "Ferromagnetic composite-based and magnetically-tunable microwave devices" IEEE MTT-S Microwave Symposium Digest, Vol. 2, 2 Jun 2002 pp1185-1188	

Examiner Signature		Date Considered	6/7/05
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